# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 374 | (analog or analogue) with integrat$3 with loop with filter$3 | US-PGPUB; USPAT | AND | ON | 2008/02/19 06:08 |
| L2 | 270 | (analog or analogue) with integrat$3 with loop with filter$3 and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") | US-PGPUB; USPAT | AND | ON | 2008/02/19 06:09 |
| L3 | 3 | ("4395904" \| "4467291" \| "5136651").PN. OR ("7136001"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/02/19 06:13 |
| L14 | 1 | "6414614".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:17 |
| L16 | 1 | "6473009".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:32 |
| L20 | 1 | "6651036".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:48 |
| L21 | 1932 | ((push$1pull or (push near pull)) near drive$1) | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:58 |
| L22 | 1119 | ((push$1pull or (push near pull)) near drive$1) and @pd<"20011122" | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:58 |
| L23 | 975 | ((push$1pull or (push near pull)) near drive$1) and @pd<"20011122" and reference | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:58 |
| L24 | 9 | (((push$1pull or (push near pull)) near drive$1) with comparator) and @pd<"20011122" and reference | US-PGPUB; USPAT | AND | ON | 2008/02/19 07:58 |
| L25 | 1 | "6651036".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/19 08:41 |
| S1 | 7 | (putzeys).in. | US-PGPUB; USPAT | AND | ON | 2008/01/30 21:34 |
| S2 | 1 | (putzeys).in. and (puls$3 with shap$3) | US-PGPUB; USPAT | AND | ON | 2008/01/30 21:35 |
| S4 | 11354 | (koninklijke).as. | US-PGPUB; USPAT | AND | ON | 2008/01/30 21:35 |
| S5 | 156 | (koninklijke with philips).as. and (puls$3 with shap$3) | US-PGPUB; USPAT | AND | ON | 2008/01/30 21:35 |
| S6 | 165 | (koninklijke).as. and (puls$3 with shap$3) | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:18 |
| S7 | 6 | (koninklijke).as. and (puls$3 with shap$3 with width with modulat$3) | US-PGPUB; USPAT | AND | ON | 2008/01/31 11:54 |
| S8 | 189 | (puls$3 with shap$3 with width with modulat$3 with noise) | US-PGPUB; USPAT | AND | ON | 2008/01/31 12:42 |

# EAST Search History

| S9 | 3 | ("5559467" or "5898340" or "5548286").pn. | US-PGPUB; USPAT | AND | ON | 2008/01/31 12:46 |
|---|---|---|---|---|---|---|
| S10 | 1494 | noise shap$3 and "330".clas. | US-PGPUB; USPAT | AND | ON | 2008/01/31 12:46 |
| S11 | 231 | (noise near2 shap$3) and "330". clas. | US-PGPUB; USPAT | AND | ON | 2008/01/31 12:47 |
| S12 | 175 | (noise near2 shap$3) and "330". clas. and feed$3back | US-PGPUB; USPAT | AND | ON | 2008/01/31 12:48 |
| S13 | 101 | (noise near2 shap$3) and "330". clas. and feed$3back and @ad<"20021122" | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:17 |
| S14 | 1 | "6768779".pn. | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:00 |
| S15 | 1 | "5672998".pn. | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:00 |
| S16 | 41 | (noise near2 shap$3) and (puls$3 with width with modulat$3) and "330".clas. and feed$3back and @ad<"20021122" | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:29 |
| S17 | 21 | (koninklijke).as. and (puls$3 with shap$3) and (puls$3 with width with modulat$3) | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:18 |
| S18 | 1 | "6794930".pn. | US-PGPUB; USPAT | AND | ON | 2008/01/31 13:35 |
| S19 | 3 | ("5559467" or "5898340" or "5548286").pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:02 |
| S20 | 2 | ("5559467" or "5898340" or "5548286").pn. and (noise with shaper) | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:02 |
| S21 | 2 | ("5559467" or "5898340" or "5548286").pn. and (noise with shaper) and ((pulse with width) or pulse$1width) | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:03 |
| S22 | 15 | (koninklijke).as. and (puls$3 with shap$3 with width) | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:07 |
| S23 | 3 | (koninklijke).as. and (puls$3 with width) and (noise with shaper) | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:07 |
| S24 | 308 | (noise with shaper) and ((pulse with width) or pulse$1width) | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:08 |
| S25 | 190 | (noise with shaper) and ((pulse with width) or pulse$1width) and (@ad<"20021122" or @pd<"20021122" or @prad<"20021122" or @rlad<"20021122") | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:09 |

| S26 | 63 | (noise with shaper) same((pulse with width) or pulse$1width) and (@ad<"20021122" or @pd<"20021122" or @prad<"20021122" or @rlad<"20021122") | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:09 |
|---|---|---|---|---|---|---|
| S27 | 58 | (noise with shaper) same((pulse with width) or pulse$1width) and (@ad<"20021122" or @pd<"20021122" or @prad<"20021122" or @rlad<"20021122") and filter | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:10 |
| S28 | 58 | (noise with shaper) same ((pulse with width) or pulse$1width) and (@ad<"20021122" or @pd<"20021122" or @prad<"20021122" or @rlad<"20021122") and filter | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:11 |
| S29 | 2 | ("5559467" or "5898340" or "5548286").pn. and (noise with shaper) and (pulse with width) | US-PGPUB; USPAT | AND | ON | 2008/02/18 16:14 |
| S30 | 4208 | (332/106,109-111 or 341/126, 144-154).ccls. | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:21 |
| S31 | 3285 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:23 |
| S32 | 68 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") and feed$1back with ((pulse with width) or pwm) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:24 |
| S33 | 68 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") and (feed$1back with ((pulse with width) or pwm)) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:24 |

| S34 | 65 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20011122" or @rlad<"20021122") and (feed$1back with ((pulse with width) or pwm)) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:27 |
|------|------|------|------|------|------|------|
| S35 | 3 | S33 NOT S34 | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:27 |
| S36 | 1 | "5672998".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:33 |
| S37 | 320 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") and (noise with shap$3) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:38 |
| S38 | 220 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") and (noise with shap$3) and (feed$1back or (feed near back)) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:39 |
| S39 | 3989 | (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") and (noise with shap$3) and (feed$1back or (feed near back)) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:39 |
| S40 | 215 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") and (noise near2 shap$3) and (feed$1back or (feed near back)) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:39 |
| S41 | 1 | "5812102".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:44 |
| S42 | 8 | ("4653069" \| "6023199" \| "6545533" \| "6587670" \| "6593807" \| "6674789" \| "6819912" \| "6970503").PN. OR ("7142819"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/02/18 20:45 |

| S43 | 3285 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20021122" or @rlad<"20021122") | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:54 |
|-----|------|------------------------------------------------------|----------------|-----|-----|-------------------|
| S44 | 97 | S43 and (noise$1shap$3 or (noise near2 shap$3) or delta$1sigma or (delta near2 sigma)) and ((pulse with width with modulat$3) or (pulse$1width modulat$3) or pwm) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:56 |
| S45 | 3184 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20010522" or @rlad<"20021122") | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:58 |
| S46 | 90 | S45 and (noise$1shap$3 or (noise near2 shap$3) or delta$1sigma or (delta near2 sigma)) and ((pulse with width with modulat$3) or (pulse$1width modulat$3) or pwm) | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:58 |
| S47 | 3126 | (332/106,109-111 or 341/126, 144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20010522" or @rlad<"20010522") | US-PGPUB; USPAT | AND | ON | 2008/02/18 20:59 |
| S48 | 88 | S47 and (noise$1shap$3 or (noise near2 shap$3) or delta$1sigma or (delta near2 sigma)) and ((pulse with width with modulat$3) or (pulse$1width modulat$3) or pwm) | US-PGPUB; USPAT | AND | ON | 2008/02/18 21:00 |
| S49 | 1 | "5812102".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 21:24 |
| S50 | 1 | "5815102".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 21:25 |
| S51 | 2665 | (341/126,144-154).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20010522" or @rlad<"20010522") | US-PGPUB; USPAT | AND | ON | 2008/02/18 22:02 |
| S52 | 72 | S51 and (noise$1shap$3 or (noise near2 shap$3) or delta$1sigma or (delta near2 sigma)) and ((pulse with width with modulat$3) or (pulse$1width modulat$3) or pwm) | US-PGPUB; USPAT | AND | ON | 2008/02/18 22:02 |
| S53 | 1 | "20060072657".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 22:15 |

2/19/2008 9:06:32 AM
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| S54 | 6457 | (341/126,144-154,155-172).ccls. and (@pd<"20021122" or @ad<"20021122" or @prad<"20010522" or @rlad<"20010522") | US-PGPUB; USPAT | AND | ON | 2008/02/18 22:20 |
|-----|------|----------------------------------------------------------------------------------------------------------------|-----------------|-----|-----|-------------------|
| S55 | 86 | S54 and (noise$1shap$3 or (noise near2 shap$3) or delta$1sigma or (delta near2 sigma)) and ((pulse with width with modulat$3) or (pulse$1width modulat$3) or pwm) | US-PGPUB; USPAT | AND | ON | 2008/02/18 22:20 |
| S56 | 1 | "20060072657".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 22:24 |
| S57 | 1 | "6414614".pn. | US-PGPUB; USPAT | AND | ON | 2008/02/18 23:36 |
| S58 | 2146 | (loop with filter) with ((analog or analogue) with digital) | US-PGPUB; USPAT | AND | ON | 2008/02/19 00:19 |
| S59 | 364 | (loop with filter) with ((analog or analogue) adj3 digital) with (digital adj3 (analog or analogue)) | US-PGPUB; USPAT | AND | ON | 2008/02/19 00:19 |
| S60 | 1 | (@pd<"20021122" or @ad<"20021122" or @prad<"20011122" or @rlad<"20021122") and (feed$1back with ((pulse with width) or pwm)) and ((loop with filter) with ((analog or analogue) adj3 digital) with (digital adj3 (analog or analogue))) | US-PGPUB; USPAT | AND | ON | 2008/02/19 00:20 |